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PEY  
OIEP  
3.25-1/RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/684,554DATE: 10/19/2000  
TIME: 15:08:53

ENTERED

Input Set : A:\875-024US1.txt.txt  
Output Set : N:\CRF3\10192000\I684554.raw

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4 <110> APPLICANT: Engelhardt, John F.
5   Duan, Dongsheng
6   -Yan, Ziyang
8 <120> TITLE OF INVENTION: Adeno-associated virus vectors and uses thereof
10 <130> FILE REFERENCE: 875.024US1
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/684,554
C--> 12 <141> CURRENT FILING DATE: 2000-10-06
12 <150> PRIOR APPLICATION NUMBER: US 60/158,209
13 <151> PRIOR FILING DATE: 1999-10-07
15 <160> NUMBER OF SEQ ID NOS: 13
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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20 <211> LENGTH: 20
21 <212> TYPE: DNA
22 <213> ORGANISM: Adeno-associated virus
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27 <210> SEQ ID NO: 2
28 <211> LENGTH: 19
29 <212> TYPE: DNA
30 <213> ORGANISM: Adeno-associated virus
32 <400> SEQUENCE: 2
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35 <210> SEQ ID NO: 3
36 <211> LENGTH: 505
37 <212> TYPE: DNA
38 <213> ORGANISM: Artificial Sequence
W--> 39 <220> FEATURE:
40 <223> OTHER INFORMATION: A consensus sequence
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44 ggcattgcaag ctgcgaattca tcggtagata agtagcatgg cgggttaate attaaactaca
45 aggaaccctt agtgatggag ttggccactc cctctctgcg cgctcgtctg ctcgctgagg
46 ccgggcgacc aaaggtcgcc cgacgcccgg gctttgcccg ggcggcctca gtgagcgagc
47 gagcgcgag ctgcgcgctc gctcgtcac tgaggccgcc cgggcaaagc ccgggcgtcg
48 ggcgaccttt ggtcgcccgg cctcagcgag cgagcgagcg cgcagagagg gagtggccaa
49 ctccatcact aggggttcct tgtagttaat gattaacccg ccattgctact tatctacagc
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51 tggcggtttt ccataggctc cgccc
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54 <211> LENGTH: 272
55 <212> TYPE: DNA
56 <213> ORGANISM: AAV circular intermediate, clone p81
58 <400> SEQUENCE: 4
59 gcattgcaagc ttagataag tagcatggcg ggtaaatcat taactacaag gaacccttag
60 tgatggagtt ggccactccc tctctgcgcg ctcgctcgct cactgaggcc ggcgggcaa
61 aggtcgcccg acgcccgggc ttgcccggg cgccctcagt gagcgagcga gcgcgcagag

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62 agggagtgcc caactccatc actaggggtt cttgtagtt aatgattaac ccgccatgct 240
63 acttatctac cgatgaattc gagcttgcat gc 272
65 <210> SEQ ID NO: 5
66 <211> LENGTH: 300
67 <212> TYPE: DNA
68 <213> ORGANISM: AAV circular intermediate, clone p79
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71 gcatgcaagc tgtagataag tagcatggcg ggttaatcat taactacaag gaacccttag 60
72 tgatggagtt ggcaactccc tctctgcgcg ctgctcgct cactgaggcc gggcgcgcg 120
73 tcgctcgctc actgaggccg ggcgaccaa ggtcgccga gcccgggctt tgccggggcg 180
74 gcctcagtgga gcgagcgcg gcgagagag ggagtggcca actccatcac taggggttcc 240
75 ttgtagttaa tgattaaccc gccatgctac ttatctaccg atgaattcga gcttgcagtc 300
77 <210> SEQ ID NO: 6
78 <211> LENGTH: 272
79 <212> TYPE: DNA
80 <213> ORGANISM: AAV circular intermediate, clone pl202
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83 gcatgcaagc tgtagataag tagcatggcg ggttaatcat taactacaag gaacccttag 60
84 tgatggagtt ggcaactccc tctctgcgcg ctgctcgct cactgaggcc gggcgaccaa 120
85 aggtcgcccg acgcccggcg ttgtctgcc cggcctcagt ggcgagcga gcgagcagag 180
86 agggagtgcc caactccatc actaggggtt cttgtagtt aatgattaac ccgccatgct 240
87 acttatctac cgatgaattc gagcttgcat gc 272
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91 <212> TYPE: DNA
92 <213> ORGANISM: Unknown
94 <220> FEATURE:
95 <223> OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 5,478,745
97 <400> SEQUENCE: 7
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99 ccgggcgacc aaaggctgcc cgacgcccgg gctttgccg ggcggcctca gtgagcgagc 120
100 gagcgcgag agagggagtg gccaaactcca tcaactagggg ttcc 165
102 <210> SEQ ID NO: 8
103 <211> LENGTH: 282
104 <212> TYPE: DNA
105 <213> ORGANISM: rAAV circular intermediate, clone p79
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109 tagataagta gcatggcggg ttaatcattg cctacaaaga gccctagtg atggagtggg 120
110 ccaactccctc tcttcgcca gcgagcagag agggagtggc caactccctc actaggggtt 180
111 cctggcagtt aatgattaac ccgccatgct acttatctac agcttgcatg catgtgagca 240
112 aaaggccagc aaaaggccag gaaccgtaaa aaggccgcgt tg 282
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115 <211> LENGTH: 345
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121 taagtagcat ggcgggttaa tcattaacta caaggaaccc ctagtgatgg agttggccac 120

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122 tccctctctg cgcgctcgct cgctcgctca ggccgggcca ccaaaggctg cccgacgccc 180
123 gcccggcctc agcgagcgag cgagcgcgca gagagggagt ggccaactcc atcactaggg 240
124 gttccttgta gttaatgatt aaccggccat gctacttata tacagcttgc atgcatgtga 300
125 gcaaaaggcc agcaaaaggc caggaacctg aaaaaggccg cgttg 345
127 <210> SEQ ID NO: 10
128 <211> LENGTH: 276
129 <212> TYPE: DNA
130 <213> ORGANISM: rAAV circular intermediate, clone p81
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134 taagtagcat ggcgggttaa tcattgccta caaagagccc ctagtgatgg agcccgccct 120
135 caccgagcga gcgagcgcg agagagggag tggccaactc catcactagg ggttccttgt 180
136 agttaatgat taaccggcca tgctacttat ctacagcttg catgcatgtg agcaaaaggc 240
137 cagcaaaagg ccaggaacctg taaaaggcc gcgttg 276
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140 <211> LENGTH: 316
141 <212> TYPE: DNA
142 <213> ORGANISM: rAAV circular intermediate, clone p86
144 <400> SEQUENCE: 11
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146 taagtagcat ggcgggttaa tcattaacta caaggaacct ctagtgatgg agttggccac 120
147 tccctctctg cgcgctcgct cgctcgctga ggccgccccg gcctcagcga gcgagcgagc 180
148 gcgagagag ggactggcca actccatcac taggggttcc ttgtagttaa tgattaacct 240
149 gccatgctac ttatctacag cttgcatgca tgtgagcaaa aggccagcaa aaggccagga 300
150 accgtaaaaa ggccgc 316
152 <210> SEQ ID NO: 12
153 <211> LENGTH: 208
154 <212> TYPE: DNA
155 <213> ORGANISM: rAAV circular intermediate, clone p87
157 <400> SEQUENCE: 12
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159 taagtagcat ggcgggttac tcattgccta caaagagccc ctagtgatgg aattggaatg 120
160 attcaccctc catgctactt atctacagct tgcattgcat tgagcaaaag gccagcaaaa 180
161 ggccaggaac cgtaaaagg ccgcgttg 208
163 <210> SEQ ID NO: 13
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165 <212> TYPE: DNA
166 <213> ORGANISM: rAAV circular intermediate, clone p88
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170 aagtagcatg gcgggttaat cattgcctac aaagagcccc tagtgatgga gttggccact 120
171 cctctctctg gcgctcgctc gctgggcccg gcctcagcga gcgagcgagc gcgagagag 180
172 ggagtggcca actccatcac taggggttcc ttgtagttaa tgattaacct gccatgctac 240
173 ttatctacag cttgcatgca tgtgagcaaa aggccagcaa aaggccagga accgtaaaaa 300
174 ggccgcgttg 310

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VERIFICATION SUMMARY

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L:12 M:270 C: Current Application Number differs, Replaced Current Application No  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:39 M:283 W: Missing Blank Line separator, <220> field identifier